

Johnson County

8/31/2020

Background Statistics¹

Number of farms: 564

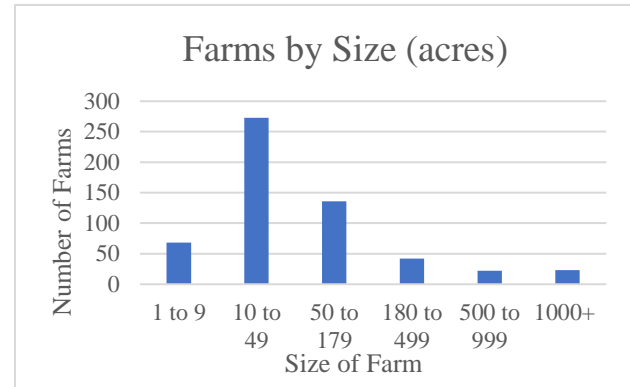
Average size: 154 acres

Land in farms: 87,121 acres

Average value of products sold per farm: \$54,269

Average net cash farm income per farm: \$9,936

1: Data from USDA 2017 Census of Agriculture



Estimated Economic Contribution of Agriculture and Agriculture Related Sectors to the Johnson County Economy

Methodology

The estimated economic contribution of agriculture and agriculture related sectors was computed using the most recent IMPLAN data available (2018) adjusted for 2020. The IMPLAN modeling system was used to calculate the results of this analysis. The IMPLAN model was constructed so that double counting was avoided. For this report, 47 of the 71 agriculture and agriculture related sectors in Kansas were identified and analyzed to determine their overall contribution to the Johnson County economy.

Results

These 47 sectors have a total direct output of approximately **\$3.2 billion** and account for **9,056 jobs** in Johnson County. Running the model for all 47 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Johnson County Economy					
Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	9,056	2%	\$1,005,100,000	2%	\$3,245,300,000
Indirect Effect	3,546	0.8%	\$419,800,000	0.9%	\$725,200,000
Induced Effect	2,864	0.6%	\$272,300,000	0.6%	\$454,800,000
Total Effect	15,466	3%	\$1,697,300,000	3%	\$4,425,300,000

NOTE: Individual effects may not equal the total effect due to rounding.

As shown in the above table, agriculture, food, and food processing sectors support a total of **15,466 jobs**, or **3%** of the entire workforce in the county. The total final sales of all products in these sectors is approximately **\$4.4 billion**.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of Gross Regional Product (GRP). Total value added by the 47 agriculture, food, and food processing sectors is approximately **\$1.7 billion**, or **3%** of the GRP.

Top Ten Sectors by Employment

Out of the agriculture and agriculture related sectors, landscape and horticultural services is the top employer with **3,552 jobs**. This table also illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Johnson County.

Sector	Total Employment
Landscape and horticultural services	3,552
Veterinary services	895
Bread and bakery product, except frozen, manufacturing	702
Dog and cat food manufacturing	489
Wholesale - Grocery and related product wholesalers	449
Spice and extract manufacturing	431
Frozen cakes and other pastries manufacturing	385
Fats and oils refining and blending	357
Bottled and canned soft drinks & water	351
Other real estate	337

Top Ten Sectors by Output

This table shows how much revenue is generated in other sectors by having a strong agriculture industry, including direct, indirect, and induced effects. The dog and cat food manufacturing sector is the top contributor, with approximately **\$799.7 million** to the Johnson County economy.

Sector	Total Output
Dog and cat food manufacturing	\$799,700,000
Fats and oils refining and blending	\$616,200,000
Spice and extract manufacturing	\$285,600,000
Bottled and canned soft drinks & water	\$278,200,000
Landscape and horticultural services	\$269,800,000
Bread and bakery product, except frozen, manufacturing	\$124,700,000
Flour milling	\$116,200,000
Wholesale - Grocery and related product wholesalers	\$107,300,000
All other food manufacturing	\$103,800,000
Lawn and garden equipment manufacturing	\$92,500,000

All Direct Sectors

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Johnson County economy. IMPLAN sectors are assigned based on North American Industry Classification System (NAICS) codes. Generally, this analysis includes three categories; production, manufacturing/processing, and services. Note that this analysis does not include wholesale or retail sales of final products, or ethanol production.

Sector	Total Output	Total Employment
Dog and cat food manufacturing	\$799,669,097.64	489.12
Fats and oils refining and blending	\$616,213,622.50	356.86
Spice and extract manufacturing	\$285,631,019.78	431.45
Bottled and canned soft drinks & water	\$278,232,463.18	350.96
Landscape and horticultural services	\$269,782,044.16	3552.47
Bread and bakery product, except frozen, manufacturing	\$124,701,598.54	701.79
Flour milling	\$116,194,539.13	92.50
All other food manufacturing	\$103,751,347.55	233.51
Lawn and garden equipment manufacturing	\$92,524,365.98	182.60
Veterinary services	\$92,185,762.89	895.26
Other animal food manufacturing	\$90,256,657.83	71.91
Flavoring syrup and concentrate manufacturing	\$41,974,269.23	10.22
Confectionery manufacturing from purchased chocolate	\$38,415,053.54	94.72
Frozen cakes and other pastries manufacturing	\$35,951,905.19	384.83
Nonchocolate confectionery manufacturing	\$33,256,744.46	74.64
Dry pasta, mixes, and dough manufacturing	\$19,612,432.40	34.62
Coffee and tea manufacturing	\$19,249,470.55	14.32
Distilleries	\$15,942,359.28	18.24
Paper mills	\$15,901,734.48	19.71
Wineries	\$13,718,343.10	49.15
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$13,579,375.91	252.24
Meat processed from carcasses	\$13,024,787.29	20.89
Animal, except poultry, slaughtering	\$12,048,142.71	14.18
Support activities for agriculture and forestry	\$10,907,924.86	216.10
Greenhouse, nursery, and floriculture production	\$10,261,940.33	95.03
Other snack food manufacturing	\$8,785,179.77	15.88
Dairy cattle and milk production	\$8,703,917.94	31.38
Grain farming	\$8,167,341.78	57.04
Farm machinery and equipment manufacturing	\$7,994,063.67	18.46
Oilseed farming	\$6,941,230.28	16.07
Roasted nuts and peanut butter manufacturing	\$6,718,003.61	15.68
Cookie and cracker manufacturing	\$6,240,966.84	14.55
Breweries	\$5,010,330.37	9.99
Sawmill, woodworking, and paper machinery	\$4,104,471.13	15.26
Rendering and meat byproduct processing	\$3,973,129.08	9.71
Poultry processing	\$3,596,894.00	9.60
Food product machinery manufacturing	\$2,692,183.67	9.18
Other leather and allied product manufacturing	\$2,351,801.83	30.22
Commercial logging	\$2,093,257.69	22.74
Forestry, forest products, and timber tract production	\$1,471,389.75	15.15
All other crop farming	\$1,266,628.73	78.21
Animal production, except cattle and poultry and eggs	\$799,661.59	11.96
Poultry and egg production	\$560,149.47	1.21

Vegetable and melon farming	\$336,810.02	3.45
Commercial hunting and trapping	\$256,293.82	9.74
Fruit farming	\$159,138.77	1.79
Tree nut farming	\$50,313.32	1.32

The following terms are used throughout the results shown in this report:

- **Direct effect:** the contribution from agricultural and food products
- **Indirect effect:** the contribution from farms and agricultural businesses purchasing inputs from supporting industries within the state
- **Induced effect:** the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the state
- **Value added** = labor income + indirect business taxes + other property type income
- **Gross Regional Product** = final demand of households + government expenditures + capital + exports – imports – institutional sales
- **Output** = intermediate inputs + value added
- **Employment:** full-time/part-time annual average i.e., 1 job lasting 12 months = 2 jobs lasting 6 months each = 3 jobs lasting 4 months each. A job is neither full-time nor part-time.
- Due to confidentiality policies that exist within several agencies from which IMPLAN collects their data, some sectors in some regions may not have all data available.

For more information, contact the Division of Agricultural Marketing, Advocacy and Outreach Agency Economist
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